

Claims

1. A method for selection of a route for transmission of data packets from a source network site to a destination network site, both network sites being connected to a network via a plurality of network service provider connections, said method comprising at least steps of

5 - selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network,

- selecting of a second network service provider connection from a set of network 10 service provider connections connecting the destination network site to the network,

15 | in which method said selections are performed at the source network site, and which selections are made at least in part on the basis of at least

- a round trip time value for each combination of source and destination network service provider connections, and

20 - a packet success rate value for each combination of source and destination network service provider connections.

2. A method according to claim 1, wherein said selections are performed at least in part also on the time elapsed after the selection of routes was previously changed.

20 | 3. A method according to claim 2, wherein the amount change in the packet success rate and/or round trip time of a connection required to cause a change in the route selection reduces as a function of time.

25 4. A method according to claim 3, wherein said function of time is a piecewise linear function.

5. Network node for transmitting data packets from a source network site to a destination network site, said network sites being connected to a network each 30 via a plurality of network service provider connections, said network node comprising at least

- means for selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network, and

35 - means for selecting of a second network service provider connection from a set of network service provider connections connecting the destination network site to the network,

which selections being made at least in part on the basis of at least

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- a round trip time value for each combination of source and destination network service provider connections, and
- a packet success rate value for each combination of source and destination network service provider connections.

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6. Computer software product for a system for transmitting data packets from a source network site to a destination network site, said network sites being connected to a network each via a plurality of network service provider connections, said computer software product comprising at least

- 10 - computer software code means for selecting of a first network service provider connection from a set of network service provider connections connecting the source network site to the network, and
- computer software code means for selecting of a second network service provider connection from a set of network service provider connections connecting the destination network site to the network,

15 which selections being made at least in part on the basis of at least

- a round trip time value for each combination of source and destination network service provider connections, and
- a packet success rate value for each combination of source and destination network service provider connections.

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